

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-124291-1

Client Project/Site: GKM - Region 8 (Treatment/Stabilization)

For:

Weston Solutions, Inc.

1435 Garrison Street

Suite 100

Lakewood, Colorado 80215

Attn: Moira Pryhoda



Authorized for release by:

4/25/2016 3:42:07 PM

Sheila Hoffman, Project Manager II

(912)354-7858 e.3004

sheila.hoffman@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Method Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

1

2

3

4

5

6

7

8

9

10

11

Sample Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-124291-1	A72_031116_1500	Water	03/11/16 15:00	04/20/16 09:21
680-124291-2	GKM_GSTO_F_032516_1120	Water	03/25/16 11:20	04/20/16 09:21
680-124291-3	GKM_GSTO_C_032516_1200	Water	03/25/16 12:00	04/20/16 09:21
680-124291-4	GKM_GSTI_032516_1300	Water	03/25/16 13:00	04/20/16 09:21

1

2

3

4

5

6

7

8

9

10

11

TestAmerica Savannah

Definitions/Glossary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Job ID: 680-124291-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: GKM - Region 8 (Treatment/Stabilization)

Report Number: 680-124291-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 04/20/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

DISSOLVED METALS (ICP)

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 04/22/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 04/22/2016.

Calcium and Calcium, Dissolved failed the recovery criteria high for the MS of sample 680-124260-29 in batch 680-430404.

Calcium and Calcium, Dissolved failed the recovery criteria low for the MSD of sample 680-124260-29 in batch 680-430404.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared and analyzed on 04/22/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for total metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared and analyzed on 04/22/2016.

Zinc and Zinc, Dissolved failed the recovery criteria high for the MS of sample 680-124260-29 in batch 680-430306.

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Job ID: 680-124291-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Copper, Copper, Dissolved, Zinc and Zinc, Dissolved exceeded the RPD limit for the MSD of sample 680-124260-29 in batch 680-430306.

One or more of the following analytes recovered above the linear range of the calibration: manganese and zinc. The data has been qualified as an estimated value and reported: GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4)

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared and analyzed on 04/20/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples A72_031116_1500 (680-124291-1), GKM_GSTO_F_032516_1120 (680-124291-2), GKM_GSTO_C_032516_1200 (680-124291-3) and GKM_GSTI_032516_1300 (680-124291-4) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 04/20/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: A72_031116_1500

Lab Sample ID: 680-124291-1

Date Collected: 03/11/16 15:00

Matrix: Water

Date Received: 04/20/16 09:21

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2700		200	24	ug/L	04/22/16 10:26	04/22/16 23:27	1	1
Calcium	98000		500	25	ug/L	04/22/16 10:26	04/22/16 23:27	1	2
Iron	4700		50	17	ug/L	04/22/16 10:26	04/22/16 23:27	1	3
Magnesium	6300		500	33	ug/L	04/22/16 10:26	04/22/16 23:27	1	4
Potassium	1100		1000	17	ug/L	04/22/16 10:26	04/22/16 23:27	1	5
Sodium	4000		1000	480	ug/L	04/22/16 10:26	04/22/16 23:27	1	6

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	280		200	24	ug/L	04/22/16 10:26	04/22/16 23:31	1	9
Calcium, Dissolved	98000		500	25	ug/L	04/22/16 10:26	04/22/16 23:31	1	10
Iron, Dissolved	2300		50	17	ug/L	04/22/16 10:26	04/22/16 23:31	1	11
Magnesium, Dissolved	6300		500	33	ug/L	04/22/16 10:26	04/22/16 23:31	1	1
Potassium, Dissolved	1100		1000	17	ug/L	04/22/16 10:26	04/22/16 23:31	1	2
Sodium, Dissolved	4600		1000	480	ug/L	04/22/16 10:26	04/22/16 23:31	1	3

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L	04/22/16 10:26	04/22/16 17:49	1	1
Arsenic	1.6		1.0	0.37	ug/L	04/22/16 10:26	04/22/16 17:49	1	2
Barium	25		2.0	0.14	ug/L	04/22/16 10:26	04/22/16 17:49	1	3
Beryllium	0.31 J		0.40	0.15	ug/L	04/22/16 10:26	04/22/16 17:49	1	4
Cadmium	2.1		0.50	0.043	ug/L	04/22/16 10:26	04/22/16 17:49	1	5
Chromium	1.0 U		2.0	1.0	ug/L	04/22/16 10:26	04/22/16 17:49	1	6
Cobalt	9.0		0.40	0.12	ug/L	04/22/16 10:26	04/22/16 17:49	1	7
Copper	21		1.0	0.50	ug/L	04/22/16 10:26	04/22/16 17:49	1	8
Lead	8.0		0.30	0.060	ug/L	04/22/16 10:26	04/22/16 17:49	1	9
Manganese	2200		2.5	1.2	ug/L	04/22/16 10:26	04/22/16 17:49	1	10
Molybdenum	0.77 J		1.0	0.45	ug/L	04/22/16 10:26	04/22/16 17:49	1	11
Nickel	7.0		1.0	0.40	ug/L	04/22/16 10:26	04/22/16 17:49	1	1
Selenium	0.58 U		2.0	0.58	ug/L	04/22/16 10:26	04/22/16 17:49	1	2
Silver	0.10 U		1.0	0.10	ug/L	04/22/16 10:26	04/22/16 17:49	1	3
Thallium	0.10 U		0.20	0.10	ug/L	04/22/16 10:26	04/22/16 17:49	1	4
Vanadium	0.87 J		1.0	0.30	ug/L	04/22/16 10:26	04/22/16 17:49	1	5
Zinc	760		20	2.8	ug/L	04/22/16 10:26	04/22/16 17:49	1	6

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	04/22/16 10:26	04/22/16 17:53	1	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L	04/22/16 10:26	04/22/16 17:53	1	2
Barium, Dissolved	71		2.0	0.14	ug/L	04/22/16 10:26	04/22/16 17:53	1	3
Beryllium, Dissolved	0.17 J		0.40	0.15	ug/L	04/22/16 10:26	04/22/16 17:53	1	4
Cadmium, Dissolved	2.2		0.50	0.043	ug/L	04/22/16 10:26	04/22/16 17:53	1	5
Chromium, Dissolved	1.0 U		2.0	1.0	ug/L	04/22/16 10:26	04/22/16 17:53	1	6
Cobalt, Dissolved	9.0		0.40	0.12	ug/L	04/22/16 10:26	04/22/16 17:53	1	7
Copper, Dissolved	12		1.0	0.50	ug/L	04/22/16 10:26	04/22/16 17:53	1	8
Lead, Dissolved	0.92		0.30	0.060	ug/L	04/22/16 10:26	04/22/16 17:53	1	9
Manganese, Dissolved	2200		2.5	1.2	ug/L	04/22/16 10:26	04/22/16 17:53	1	10
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L	04/22/16 10:26	04/22/16 17:53	1	11
Nickel, Dissolved	7.1		1.0	0.40	ug/L	04/22/16 10:26	04/22/16 17:53	1	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: A72_031116_1500

Lab Sample ID: 680-124291-1

Matrix: Water

Date Collected: 03/11/16 15:00

Date Received: 04/20/16 09:21

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 17:53	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 17:53	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		04/22/16 10:26	04/22/16 17:53	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 17:53	1
Zinc, Dissolved	800		20	2.8	ug/L		04/22/16 10:26	04/22/16 17:53	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U H	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 20:43	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U H	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:08	1

Client Sample ID: GKM_GSTO_F_032516_1120

Lab Sample ID: 680-124291-2

Matrix: Water

Date Collected: 03/25/16 11:20

Date Received: 04/20/16 09:21

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	190	J	200	24	ug/L		04/22/16 10:26	04/22/16 23:35	1
Calcium	430000		500	25	ug/L		04/22/16 10:26	04/22/16 23:35	1
Iron	350		50	17	ug/L		04/22/16 10:26	04/22/16 23:35	1
Magnesium	15000		500	33	ug/L		04/22/16 10:26	04/22/16 23:35	1
Potassium	2000		1000	17	ug/L		04/22/16 10:26	04/22/16 23:35	1
Sodium	5000		1000	480	ug/L		04/22/16 10:26	04/22/16 23:35	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	36	J	200	24	ug/L		04/22/16 10:26	04/22/16 23:39	1
Calcium, Dissolved	430000		500	25	ug/L		04/22/16 10:26	04/22/16 23:39	1
Iron, Dissolved	17	U	50	17	ug/L		04/22/16 10:26	04/22/16 23:39	1
Magnesium, Dissolved	15000		500	33	ug/L		04/22/16 10:26	04/22/16 23:39	1
Potassium, Dissolved	1900		1000	17	ug/L		04/22/16 10:26	04/22/16 23:39	1
Sodium, Dissolved	5400		1000	480	ug/L		04/22/16 10:26	04/22/16 23:39	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 17:57	1
Arsenic	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 17:57	1
Barium	8.3		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 17:57	1
Beryllium	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 17:57	1
Cadmium	4.3		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 17:57	1
Chromium	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 17:57	1
Cobalt	12		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 17:57	1
Copper	23		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 17:57	1
Lead	0.20	J	0.30	0.060	ug/L		04/22/16 10:26	04/22/16 17:57	1
Manganese	16000	E	2.5	1.2	ug/L		04/22/16 10:26	04/22/16 17:57	1
Molybdenum	1.8		1.0	0.45	ug/L		04/22/16 10:26	04/22/16 17:57	1
Nickel	13		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 17:57	1
Selenium	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 17:57	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: GKM_GSTO_F_032516_1120

Lab Sample ID: 680-124291-2

Matrix: Water

Date Collected: 03/25/16 11:20

Date Received: 04/20/16 09:21

Method: 200.8 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 17:57	1
Thallium	0.14	J	0.20	0.10	ug/L		04/22/16 10:26	04/22/16 17:57	1
Vanadium	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 17:57	1
Zinc	230		20	2.8	ug/L		04/22/16 10:26	04/22/16 17:57	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:01	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 18:01	1
Barium, Dissolved	30		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 18:01	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 18:01	1
Cadmium, Dissolved	4.2		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 18:01	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 18:01	1
Cobalt, Dissolved	12		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 18:01	1
Copper, Dissolved	2.8		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 18:01	1
Lead, Dissolved	0.083	J	0.30	0.060	ug/L		04/22/16 10:26	04/22/16 18:01	1
Manganese, Dissolved	16000	E	2.5	1.2	ug/L		04/22/16 10:26	04/22/16 18:01	1
Molybdenum, Dissolved	1.8		1.0	0.45	ug/L		04/22/16 10:26	04/22/16 18:01	1
Nickel, Dissolved	13		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:01	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 18:01	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 18:01	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		04/22/16 10:26	04/22/16 18:01	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 18:01	1
Zinc, Dissolved	210		20	2.8	ug/L		04/22/16 10:26	04/22/16 18:01	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 20:53	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:11	1

Client Sample ID: GKM_GSTO_C_032516_1200

Lab Sample ID: 680-124291-3

Matrix: Water

Date Collected: 03/25/16 12:00

Date Received: 04/20/16 09:21

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	200		200	24	ug/L		04/22/16 10:26	04/22/16 23:43	1
Calcium	430000		500	25	ug/L		04/22/16 10:26	04/22/16 23:43	1
Iron	400		50	17	ug/L		04/22/16 10:26	04/22/16 23:43	1
Magnesium	15000		500	33	ug/L		04/22/16 10:26	04/22/16 23:43	1
Potassium	2000		1000	17	ug/L		04/22/16 10:26	04/22/16 23:43	1
Sodium	4900		1000	480	ug/L		04/22/16 10:26	04/22/16 23:43	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	92	J	200	24	ug/L		04/22/16 10:26	04/22/16 23:47	1
Calcium, Dissolved	430000		500	25	ug/L		04/22/16 10:26	04/22/16 23:47	1
Iron, Dissolved	17	U	50	17	ug/L		04/22/16 10:26	04/22/16 23:47	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: GKM_GSTO_C_032516_1200

Lab Sample ID: 680-124291-3

Matrix: Water

Date Collected: 03/25/16 12:00

Date Received: 04/20/16 09:21

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium, Dissolved	16000		500	33	ug/L		04/22/16 10:26	04/22/16 23:47	1
Potassium, Dissolved	1900		1000	17	ug/L		04/22/16 10:26	04/22/16 23:47	1
Sodium, Dissolved	5200		1000	480	ug/L		04/22/16 10:26	04/22/16 23:47	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:05	1
Arsenic	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 18:05	1
Barium	8.3		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 18:05	1
Beryllium	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 18:05	1
Cadmium	4.5		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 18:05	1
Chromium	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 18:05	1
Cobalt	12		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 18:05	1
Copper	26		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 18:05	1
Lead	0.15 J		0.30	0.060	ug/L		04/22/16 10:26	04/22/16 18:05	1
Manganese	16000 E		2.5	1.2	ug/L		04/22/16 10:26	04/22/16 18:05	1
Molybdenum	1.8		1.0	0.45	ug/L		04/22/16 10:26	04/22/16 18:05	1
Nickel	13		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:05	1
Selenium	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 18:05	1
Silver	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 18:05	1
Thallium	0.14 J		0.20	0.10	ug/L		04/22/16 10:26	04/22/16 18:05	1
Vanadium	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 18:05	1
Zinc	260		20	2.8	ug/L		04/22/16 10:26	04/22/16 18:05	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.57 J		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:09	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 18:09	1
Barium, Dissolved	25		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 18:09	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 18:09	1
Cadmium, Dissolved	4.1		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 18:09	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 18:09	1
Cobalt, Dissolved	12		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 18:09	1
Copper, Dissolved	1.7		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 18:09	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		04/22/16 10:26	04/22/16 18:09	1
Manganese, Dissolved	16000 E		2.5	1.2	ug/L		04/22/16 10:26	04/22/16 18:09	1
Molybdenum, Dissolved	1.7		1.0	0.45	ug/L		04/22/16 10:26	04/22/16 18:09	1
Nickel, Dissolved	13		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:09	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 18:09	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 18:09	1
Thallium, Dissolved	0.12 J		0.20	0.10	ug/L		04/22/16 10:26	04/22/16 18:09	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 18:09	1
Zinc, Dissolved	160		20	2.8	ug/L		04/22/16 10:26	04/22/16 18:09	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:02	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: GKM_GSTO_C_032516_1200

Lab Sample ID: 680-124291-3

Matrix: Water

Date Collected: 03/25/16 12:00

Date Received: 04/20/16 09:21

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:14	1

Client Sample ID: GKM_GSTI_032516_1300

Lab Sample ID: 680-124291-4

Matrix: Water

Date Collected: 03/25/16 13:00

Date Received: 04/20/16 09:21

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		200	24	ug/L		04/22/16 10:26	04/22/16 23:51	1
Calcium	370000		500	25	ug/L		04/22/16 10:26	04/22/16 23:51	1
Iron	57000		50	17	ug/L		04/22/16 10:26	04/22/16 23:51	1
Magnesium	17000		500	33	ug/L		04/22/16 10:26	04/22/16 23:51	1
Potassium	1900		1000	17	ug/L		04/22/16 10:26	04/22/16 23:51	1
Sodium	2900		1000	480	ug/L		04/22/16 10:26	04/22/16 23:51	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	5100		200	24	ug/L		04/22/16 10:26	04/22/16 23:56	1
Calcium, Dissolved	370000		500	25	ug/L		04/22/16 10:26	04/22/16 23:56	1
Iron, Dissolved	37000		50	17	ug/L		04/22/16 10:26	04/22/16 23:56	1
Magnesium, Dissolved	17000		500	33	ug/L		04/22/16 10:26	04/22/16 23:56	1
Potassium, Dissolved	1900		1000	17	ug/L		04/22/16 10:26	04/22/16 23:56	1
Sodium, Dissolved	2800		1000	480	ug/L		04/22/16 10:26	04/22/16 23:56	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.6		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:13	1
Arsenic	20		1.0	0.37	ug/L		04/22/16 10:26	04/22/16 18:13	1
Barium	10		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 18:13	1
Beryllium	5.5		0.40	0.15	ug/L		04/22/16 10:26	04/22/16 18:13	1
Cadmium	40		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 18:13	1
Chromium	2.0		2.0	1.0	ug/L		04/22/16 10:26	04/22/16 18:13	1
Cobalt	60		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 18:13	1
Copper	3200		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 18:13	1
Lead	22		0.30	0.060	ug/L		04/22/16 10:26	04/22/16 18:13	1
Manganese	23000 E		2.5	1.2	ug/L		04/22/16 10:26	04/22/16 18:13	1
Molybdenum	3.1		1.0	0.45	ug/L		04/22/16 10:26	04/22/16 18:13	1
Nickel	37		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:13	1
Selenium	0.83 J		2.0	0.58	ug/L		04/22/16 10:26	04/22/16 18:13	1
Silver	0.10 U		1.0	0.10	ug/L		04/22/16 10:26	04/22/16 18:13	1
Thallium	0.17 J		0.20	0.10	ug/L		04/22/16 10:26	04/22/16 18:13	1
Vanadium	15		1.0	0.30	ug/L		04/22/16 10:26	04/22/16 18:13	1
Zinc	13000 E		20	2.8	ug/L		04/22/16 10:26	04/22/16 18:13	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.48 J		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:16	1
Arsenic, Dissolved	0.86 J		1.0	0.37	ug/L		04/22/16 10:26	04/22/16 18:16	1
Barium, Dissolved	9.5		2.0	0.14	ug/L		04/22/16 10:26	04/22/16 18:16	1
Beryllium, Dissolved	2.9		0.40	0.15	ug/L		04/22/16 10:26	04/22/16 18:16	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: GKM_GSTI_032516_1300

Lab Sample ID: 680-124291-4

Matrix: Water

Date Collected: 03/25/16 13:00

Date Received: 04/20/16 09:21

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium, Dissolved	39		0.50	0.043	ug/L		04/22/16 10:26	04/22/16 18:16	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 18:16	1
Cobalt, Dissolved	58		0.40	0.12	ug/L		04/22/16 10:26	04/22/16 18:16	1
Copper, Dissolved	2500		1.0	0.50	ug/L		04/22/16 10:26	04/22/16 18:16	1
Lead, Dissolved	0.77		0.30	0.060	ug/L		04/22/16 10:26	04/22/16 18:16	1
Manganese, Dissolved	22000	E	2.5	1.2	ug/L		04/22/16 10:26	04/22/16 18:16	1
Molybdenum, Dissolved	0.46	J	1.0	0.45	ug/L		04/22/16 10:26	04/22/16 18:16	1
Nickel, Dissolved	37		1.0	0.40	ug/L		04/22/16 10:26	04/22/16 18:16	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 18:16	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 18:16	1
Thallium, Dissolved	0.15	J	0.20	0.10	ug/L		04/22/16 10:26	04/22/16 18:16	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		04/22/16 10:26	04/22/16 18:16	1
Zinc, Dissolved	12000	E	20	2.8	ug/L		04/22/16 10:26	04/22/16 18:16	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:05	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 21:17	1

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-430182/1-A

Matrix: Water

Analysis Batch: 430404

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 430182

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	24	U	200	24	ug/L		04/22/16 10:26	04/22/16 21:46	1
Aluminum, Dissolved	24	U	200	24	ug/L		04/22/16 10:26	04/22/16 21:46	1
Calcium	25	U	500	25	ug/L		04/22/16 10:26	04/22/16 21:46	1
Calcium, Dissolved	25	U	500	25	ug/L		04/22/16 10:26	04/22/16 21:46	1
Iron	17	U	50	17	ug/L		04/22/16 10:26	04/22/16 21:46	1
Iron, Dissolved	17	U	50	17	ug/L		04/22/16 10:26	04/22/16 21:46	1
Magnesium	33	U	500	33	ug/L		04/22/16 10:26	04/22/16 21:46	1
Magnesium, Dissolved	33	U	500	33	ug/L		04/22/16 10:26	04/22/16 21:46	1
Potassium	17	U	1000	17	ug/L		04/22/16 10:26	04/22/16 21:46	1
Potassium, Dissolved	17	U	1000	17	ug/L		04/22/16 10:26	04/22/16 21:46	1
Sodium	480	U	1000	480	ug/L		04/22/16 10:26	04/22/16 21:46	1
Sodium, Dissolved	480	U	1000	480	ug/L		04/22/16 10:26	04/22/16 21:46	1

Lab Sample ID: LCS 680-430182/2-A

Matrix: Water

Analysis Batch: 430404

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 430182

Analyte	Spike	LCS	LCS	%Rec.		
	Added	Result	Qualifier	Unit	D	Limits
Aluminum	2000	1930		ug/L	96	85 - 115
Aluminum, Dissolved	2000	1930		ug/L	96	85 - 115
Calcium	2000	2000		ug/L	100	85 - 115
Calcium, Dissolved	2000	2000		ug/L	100	85 - 115
Iron	2000	2100		ug/L	105	85 - 115
Iron, Dissolved	2000	2100		ug/L	105	85 - 115
Magnesium	2000	2000		ug/L	100	85 - 115
Magnesium, Dissolved	2000	2000		ug/L	100	85 - 115
Potassium	2000	2100		ug/L	105	85 - 115
Potassium, Dissolved	2000	2100		ug/L	105	85 - 115
Sodium	2000	1920		ug/L	96	85 - 115
Sodium, Dissolved	2000	1920		ug/L	96	85 - 115

Lab Sample ID: 680-124260-A-29-E MS

Matrix: Water

Analysis Batch: 430404

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 430182

Analyte	Sample	Sample	Spike	MS	MS	%Rec.		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Aluminum	24	U	2000	1980		ug/L	99	75 - 125
Aluminum, Dissolved	24	U	2000	1980		ug/L	99	75 - 125
Calcium	63000		2000	65900	4	ug/L	130	75 - 125
Calcium, Dissolved	63000		2000	65900	4	ug/L	130	75 - 125
Iron	17	U	2000	2020		ug/L	101	75 - 125
Iron, Dissolved	17	U	2000	2020		ug/L	101	75 - 125
Magnesium	8700		2000	10800	4	ug/L	104	75 - 125
Magnesium, Dissolved	8700		2000	10800	4	ug/L	104	75 - 125
Potassium	2500		2000	4720		ug/L	113	75 - 125
Potassium, Dissolved	2500		2000	4720		ug/L	113	75 - 125
Sodium	5600		2000	7800		ug/L	108	75 - 125
Sodium, Dissolved	5600		2000	7800		ug/L	108	75 - 125

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-124260-A-29-F MSD

Matrix: Water

Analysis Batch: 430404

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 430182

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	24	U	2000	1970		ug/L		98	75 - 125	1	20	
Aluminum, Dissolved	24	U	2000	1970		ug/L		98	75 - 125	1	20	
Calcium	63000		2000	64200	4	ug/L		45	75 - 125	3	20	
Calcium, Dissolved	63000		2000	64200	4	ug/L		45	75 - 125	3	20	
Iron	17	U	2000	2010		ug/L		101	75 - 125	1	20	
Iron, Dissolved	17	U	2000	2010		ug/L		101	75 - 125	1	20	
Magnesium	8700		2000	10600	4	ug/L		92	75 - 125	2	20	
Magnesium, Dissolved	8700		2000	10600	4	ug/L		92	75 - 125	2	20	
Potassium	2500		2000	4650		ug/L		109	75 - 125	2	20	
Potassium, Dissolved	2500		2000	4650		ug/L		109	75 - 125	2	20	
Sodium	5600		2000	7760		ug/L		106	75 - 125	1	20	
Sodium, Dissolved	5600		2000	7760		ug/L		106	75 - 125	1	20	

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-430180/1-A

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 430180

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Antimony	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 16:06			1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 16:06			1
Arsenic	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 16:06			1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		04/22/16 10:26	04/22/16 16:06			1
Barium	0.14	U	2.0	0.14	ug/L		04/22/16 10:26	04/22/16 16:06			1
Barium, Dissolved	0.14	U	2.0	0.14	ug/L		04/22/16 10:26	04/22/16 16:06			1
Beryllium	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 16:06			1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		04/22/16 10:26	04/22/16 16:06			1
Cadmium	0.043	U	0.50	0.043	ug/L		04/22/16 10:26	04/22/16 16:06			1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		04/22/16 10:26	04/22/16 16:06			1
Chromium	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 16:06			1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		04/22/16 10:26	04/22/16 16:06			1
Cobalt	0.12	U	0.40	0.12	ug/L		04/22/16 10:26	04/22/16 16:06			1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		04/22/16 10:26	04/22/16 16:06			1
Copper	0.50	U	1.0	0.50	ug/L		04/22/16 10:26	04/22/16 16:06			1
Copper, Dissolved	0.50	U	1.0	0.50	ug/L		04/22/16 10:26	04/22/16 16:06			1
Lead	0.060	U	0.30	0.060	ug/L		04/22/16 10:26	04/22/16 16:06			1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		04/22/16 10:26	04/22/16 16:06			1
Manganese	1.2	U	2.5	1.2	ug/L		04/22/16 10:26	04/22/16 16:06			1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		04/22/16 10:26	04/22/16 16:06			1
Molybdenum	0.45	U	1.0	0.45	ug/L		04/22/16 10:26	04/22/16 16:06			1
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L		04/22/16 10:26	04/22/16 16:06			1
Nickel	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 16:06			1
Nickel, Dissolved	0.40	U	1.0	0.40	ug/L		04/22/16 10:26	04/22/16 16:06			1
Selenium	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 16:06			1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		04/22/16 10:26	04/22/16 16:06			1
Silver	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 16:06			1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		04/22/16 10:26	04/22/16 16:06			1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-430180/1-A

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 430180

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.10	U	0.20	0.10	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06
Vanadium	0.30	U	1.0	0.30	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06
Zinc	2.8	U	20	2.8	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06
Zinc, Dissolved	2.8	U	20	2.8	ug/L	04/22/16 10:26	04/22/16 16:06	04/22/16 10:26	04/22/16 16:06

Lab Sample ID: LCS 680-430180/2-A

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 430180

%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	20.0	22.5		ug/L	113	85 - 115	
Antimony, Dissolved	20.0	22.5		ug/L	113	85 - 115	
Arsenic	40.0	43.7		ug/L	109	85 - 115	
Arsenic, Dissolved	40.0	43.7		ug/L	109	85 - 115	
Barium	40.0	42.0		ug/L	105	85 - 115	
Barium, Dissolved	40.0	42.0		ug/L	105	85 - 115	
Beryllium	20.0	22.6		ug/L	113	85 - 115	
Beryllium, Dissolved	20.0	22.6		ug/L	113	85 - 115	
Cadmium	20.0	22.1		ug/L	111	85 - 115	
Cadmium, Dissolved	20.0	22.1		ug/L	111	85 - 115	
Chromium	40.0	42.9		ug/L	107	85 - 115	
Chromium, Dissolved	40.0	42.9		ug/L	107	85 - 115	
Cobalt	20.0	22.5		ug/L	112	85 - 115	
Cobalt, Dissolved	20.0	22.5		ug/L	112	85 - 115	
Copper	40.0	43.9		ug/L	110	85 - 115	
Copper, Dissolved	40.0	43.9		ug/L	110	85 - 115	
Lead	200	214		ug/L	107	85 - 115	
Lead, Dissolved	200	214		ug/L	107	85 - 115	
Manganese	200	217		ug/L	108	85 - 115	
Manganese, Dissolved	200	217		ug/L	108	85 - 115	
Molybdenum	40.0	41.9		ug/L	105	85 - 115	
Molybdenum, Dissolved	40.0	41.9		ug/L	105	85 - 115	
Nickel	40.0	44.0		ug/L	110	85 - 115	
Nickel, Dissolved	40.0	44.0		ug/L	110	85 - 115	
Selenium	40.0	44.4		ug/L	111	85 - 115	
Selenium, Dissolved	40.0	44.4		ug/L	111	85 - 115	
Silver	20.0	21.7		ug/L	109	85 - 115	
Silver, Dissolved	20.0	21.7		ug/L	109	85 - 115	
Thallium	16.0	16.5		ug/L	103	85 - 115	
Thallium, Dissolved	16.0	16.5		ug/L	103	85 - 115	
Vanadium	40.0	43.1		ug/L	108	85 - 115	
Vanadium, Dissolved	40.0	43.1		ug/L	108	85 - 115	
Zinc	40.0	45.6		ug/L	114	85 - 115	
Zinc, Dissolved	40.0	45.6		ug/L	114	85 - 115	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-124260-A-29-B MS

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 430180

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Antimony	0.42	J	20.0	21.7		ug/L	106	70 - 130	
Antimony, Dissolved	0.42	J	20.0	21.7		ug/L	106	70 - 130	
Arsenic	0.74	J	40.0	41.1		ug/L	101	70 - 130	
Arsenic, Dissolved	0.74	J	40.0	41.1		ug/L	101	70 - 130	
Barium	8.5		40.0	47.6		ug/L	98	70 - 130	
Barium, Dissolved	8.5		40.0	47.6		ug/L	98	70 - 130	
Beryllium	0.15	U	20.0	20.9		ug/L	105	70 - 130	
Beryllium, Dissolved	0.15	U	20.0	20.9		ug/L	105	70 - 130	
Cadmium	0.043	U	20.0	20.1		ug/L	100	70 - 130	
Cadmium, Dissolved	0.043	U	20.0	20.1		ug/L	100	70 - 130	
Chromium	1.0	U	40.0	39.1		ug/L	98	70 - 130	
Chromium, Dissolved	1.0	U	40.0	39.1		ug/L	98	70 - 130	
Cobalt	0.19	J	20.0	20.5		ug/L	102	70 - 130	
Cobalt, Dissolved	0.19	J	20.0	20.5		ug/L	102	70 - 130	
Copper	11	F2	40.0	63.0		ug/L	130	70 - 130	
Copper, Dissolved	11	F2	40.0	63.0		ug/L	130	70 - 130	
Lead	0.42		200	199		ug/L	99	70 - 130	
Lead, Dissolved	0.42		200	199		ug/L	99	70 - 130	
Manganese	1.2	U	200	199		ug/L	100	70 - 130	
Manganese, Dissolved	1.2	U	200	199		ug/L	100	70 - 130	
Molybdenum	2.3		40.0	42.9		ug/L	102	70 - 130	
Molybdenum, Dissolved	2.3		40.0	42.9		ug/L	102	70 - 130	
Nickel	3.5		40.0	41.7		ug/L	95	70 - 130	
Nickel, Dissolved	3.5		40.0	41.7		ug/L	95	70 - 130	
Selenium	2.9		40.0	43.6		ug/L	102	70 - 130	
Selenium, Dissolved	2.9		40.0	43.6		ug/L	102	70 - 130	
Silver	0.10	U	20.0	20.1		ug/L	101	70 - 130	
Silver, Dissolved	0.10	U	20.0	20.1		ug/L	101	70 - 130	
Thallium	0.10	U	16.0	15.2		ug/L	95	70 - 130	
Thallium, Dissolved	0.10	U	16.0	15.2		ug/L	95	70 - 130	
Vanadium	0.30	U	40.0	41.1		ug/L	103	70 - 130	
Vanadium, Dissolved	0.30	U	40.0	41.1		ug/L	103	70 - 130	
Zinc	9.7	J F1 F2	40.0	69.3	F1	ug/L	149	70 - 130	
Zinc, Dissolved	9.7	J F1 F2	40.0	69.3	F1	ug/L	149	70 - 130	

Lab Sample ID: 680-124260-A-29-C MSD

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 430180

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	0.42	J	20.0	22.5		ug/L	110	70 - 130		4	20
Antimony, Dissolved	0.42	J	20.0	22.5		ug/L	110	70 - 130		4	20
Arsenic	0.74	J	40.0	42.8		ug/L	105	70 - 130		4	20
Arsenic, Dissolved	0.74	J	40.0	42.8		ug/L	105	70 - 130		4	20
Barium	8.5		40.0	48.8		ug/L	101	70 - 130		2	20
Barium, Dissolved	8.5		40.0	48.8		ug/L	101	70 - 130		2	20
Beryllium	0.15	U	20.0	22.1		ug/L	110	70 - 130		5	20
Beryllium, Dissolved	0.15	U	20.0	22.1		ug/L	110	70 - 130		5	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-124260-A-29-C MSD

Matrix: Water

Analysis Batch: 430306

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 430180

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Cadmium	0.043	U	20.0	20.9		ug/L	104	70 - 130	4	20	
Cadmium, Dissolved	0.043	U	20.0	20.9		ug/L	104	70 - 130	4	20	
Chromium	1.0	U	40.0	40.5		ug/L	101	70 - 130	4	20	
Chromium, Dissolved	1.0	U	40.0	40.5		ug/L	101	70 - 130	4	20	
Cobalt	0.19	J	20.0	21.2		ug/L	105	70 - 130	3	20	
Cobalt, Dissolved	0.19	J	20.0	21.2		ug/L	105	70 - 130	3	20	
Copper	11	F2	40.0	49.0	F2	ug/L	95	70 - 130	25	20	
Copper, Dissolved	11	F2	40.0	49.0	F2	ug/L	95	70 - 130	25	20	
Lead	0.42		200	205		ug/L	102	70 - 130	3	20	
Lead, Dissolved	0.42		200	205		ug/L	102	70 - 130	3	20	
Manganese	1.2	U	200	207		ug/L	103	70 - 130	4	20	
Manganese, Dissolved	1.2	U	200	207		ug/L	103	70 - 130	4	20	
Molybdenum	2.3		40.0	44.1		ug/L	104	70 - 130	3	20	
Molybdenum, Dissolved	2.3		40.0	44.1		ug/L	104	70 - 130	3	20	
Nickel	3.5		40.0	44.1		ug/L	102	70 - 130	6	20	
Nickel, Dissolved	3.5		40.0	44.1		ug/L	102	70 - 130	6	20	
Selenium	2.9		40.0	46.3		ug/L	109	70 - 130	6	20	
Selenium, Dissolved	2.9		40.0	46.3		ug/L	109	70 - 130	6	20	
Silver	0.10	U	20.0	20.7		ug/L	103	70 - 130	3	20	
Silver, Dissolved	0.10	U	20.0	20.7		ug/L	103	70 - 130	3	20	
Thallium	0.10	U	16.0	15.6		ug/L	97	70 - 130	3	20	
Thallium, Dissolved	0.10	U	16.0	15.6		ug/L	97	70 - 130	3	20	
Vanadium	0.30	U	40.0	42.2		ug/L	106	70 - 130	3	20	
Vanadium, Dissolved	0.30	U	40.0	42.2		ug/L	106	70 - 130	3	20	
Zinc	9.7	J F1 F2	40.0	52.7	F2	ug/L	108	70 - 130	27	20	
Zinc, Dissolved	9.7	J F1 F2	40.0	52.7	F2	ug/L	108	70 - 130	27	20	

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-429870/1-A

Matrix: Water

Analysis Batch: 430085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 429870

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 20:34	1
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		04/20/16 12:27	04/20/16 20:34	1

Lab Sample ID: LCS 680-429870/3-A

Matrix: Water

Analysis Batch: 430085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 429870

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Mercury	2.50	2.61		ug/L	104	85 - 115	
Mercury, Dissolved	2.50	2.61		ug/L	104	85 - 115	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 680-124291-1 MS

Matrix: Water

Analysis Batch: 430085

Client Sample ID: A72_031116_1500

Prep Type: Total/NA

Prep Batch: 429870

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier				100	
Mercury	0.080	U H	1.00	1.00		ug/L				
Mercury, Dissolved	0.080	U H	1.00	1.00		ug/L	100	70 - 130		

Lab Sample ID: 680-124291-1 MSD

Matrix: Water

Analysis Batch: 430085

Client Sample ID: A72_031116_1500

Prep Type: Total/NA

Prep Batch: 429870

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				103		
Mercury	0.080	U H	1.00	1.03		ug/L					
Mercury, Dissolved	0.080	U H	1.00	1.03		ug/L	103	70 - 130	3	20	

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Metals

Prep Batch: 429870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124291-1	A72_031116_1500	Dissolved	Water	245.1	
680-124291-1	A72_031116_1500	Total/NA	Water	245.1	
680-124291-1 MS	A72_031116_1500	Total/NA	Water	245.1	
680-124291-1 MSD	A72_031116_1500	Total/NA	Water	245.1	
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	245.1	
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	245.1	
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	245.1	
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	245.1	
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	245.1	
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	245.1	
LCS 680-429870/3-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-429870/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 430085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124291-1	A72_031116_1500	Dissolved	Water	245.1	429870
680-124291-1	A72_031116_1500	Total/NA	Water	245.1	429870
680-124291-1 MS	A72_031116_1500	Total/NA	Water	245.1	429870
680-124291-1 MSD	A72_031116_1500	Total/NA	Water	245.1	429870
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	245.1	429870
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	245.1	429870
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	245.1	429870
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	245.1	429870
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	245.1	429870
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	245.1	429870
LCS 680-429870/3-A	Lab Control Sample	Total/NA	Water	245.1	429870
MB 680-429870/1-A	Method Blank	Total/NA	Water	245.1	429870

Prep Batch: 430180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124260-A-29-B MS	Matrix Spike	Total/NA	Water	200	
680-124260-A-29-C MSD	Matrix Spike Duplicate	Total/NA	Water	200	
680-124291-1	A72_031116_1500	Dissolved	Water	200	
680-124291-1	A72_031116_1500	Total/NA	Water	200	
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	200	
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	200	
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	200	
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	200	
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	200	
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	200	
LCS 680-430180/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-430180/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 430182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124260-A-29-E MS	Matrix Spike	Total/NA	Water	200	
680-124260-A-29-F MSD	Matrix Spike Duplicate	Total/NA	Water	200	
680-124291-1	A72_031116_1500	Dissolved	Water	200	
680-124291-1	A72_031116_1500	Total/NA	Water	200	
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	200	
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	200	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Metals (Continued)

Prep Batch: 430182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	200	
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	200	
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	200	
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	200	
LCS 680-430182/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-430182/1-A	Method Blank	Total/NA	Water	200	

Analysis Batch: 430306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124260-A-29-B MS	Matrix Spike	Total/NA	Water	200.8	430180
680-124260-A-29-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	430180
680-124291-1	A72_031116_1500	Dissolved	Water	200.8	430180
680-124291-1	A72_031116_1500	Total/NA	Water	200.8	430180
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	200.8	430180
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	200.8	430180
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	200.8	430180
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	200.8	430180
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	200.8	430180
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	200.8	430180
LCS 680-430180/2-A	Lab Control Sample	Total/NA	Water	200.8	430180
MB 680-430180/1-A	Method Blank	Total/NA	Water	200.8	430180

Analysis Batch: 430404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-124260-A-29-E MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	430182
680-124260-A-29-F MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	430182
680-124291-1	A72_031116_1500	Dissolved	Water	200.7 Rev 4.4	430182
680-124291-1	A72_031116_1500	Total/NA	Water	200.7 Rev 4.4	430182
680-124291-2	GKM_GSTO_F_032516_1120	Dissolved	Water	200.7 Rev 4.4	430182
680-124291-2	GKM_GSTO_F_032516_1120	Total/NA	Water	200.7 Rev 4.4	430182
680-124291-3	GKM_GSTO_C_032516_1200	Dissolved	Water	200.7 Rev 4.4	430182
680-124291-3	GKM_GSTO_C_032516_1200	Total/NA	Water	200.7 Rev 4.4	430182
680-124291-4	GKM_GSTI_032516_1300	Dissolved	Water	200.7 Rev 4.4	430182
680-124291-4	GKM_GSTI_032516_1300	Total/NA	Water	200.7 Rev 4.4	430182
LCS 680-430182/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	430182
MB 680-430182/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	430182

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: A72_031116_1500

Lab Sample ID: 680-124291-1

Matrix: Water

Date Collected: 03/11/16 15:00

Date Received: 04/20/16 09:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	430404	04/22/16 23:31	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	430404	04/22/16 23:27	BCB	TAL SAV
		Instrument ID: ICPE								
Dissolved	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	430306	04/22/16 17:53	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	430306	04/22/16 17:49	BWR	TAL SAV
		Instrument ID: ICPMSC								
Dissolved	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	430085	04/20/16 21:08	JKL	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	430085	04/20/16 20:43	JKL	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: GKM_GSTO_F_032516_1120

Lab Sample ID: 680-124291-2

Matrix: Water

Date Collected: 03/25/16 11:20

Date Received: 04/20/16 09:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	430404	04/22/16 23:39	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	430404	04/22/16 23:35	BCB	TAL SAV
		Instrument ID: ICPE								
Dissolved	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	430306	04/22/16 18:01	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	430306	04/22/16 17:57	BWR	TAL SAV
		Instrument ID: ICPMSC								
Dissolved	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	430085	04/20/16 21:11	JKL	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	430085	04/20/16 20:53	JKL	TAL SAV
		Instrument ID: LEEMAN2								

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Client Sample ID: GKM_GSTO_C_032516_1200

Date Collected: 03/25/16 12:00

Date Received: 04/20/16 09:21

Lab Sample ID: 680-124291-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPE		1	50 mL	50 mL	430404	04/22/16 23:47	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPE		1	50 mL	50 mL	430404	04/22/16 23:43	BCB	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	430306	04/22/16 18:09	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	430306	04/22/16 18:05	BWR	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	430085	04/20/16 21:14	JKL	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	430085	04/20/16 21:02	JKL	TAL SAV

Client Sample ID: GKM_GSTI_032516_1300

Date Collected: 03/25/16 13:00

Date Received: 04/20/16 09:21

Lab Sample ID: 680-124291-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPE		1	50 mL	50 mL	430404	04/22/16 23:56	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	430182	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPE		1	50 mL	50 mL	430404	04/22/16 23:51	BCB	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Dissolved	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	430306	04/22/16 18:16	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	430180	04/22/16 10:26	CRW	TAL SAV
Total/NA	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	430306	04/22/16 18:13	BWR	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	430085	04/20/16 21:17	JKL	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	429870	04/20/16 12:27	JKL	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	430085	04/20/16 21:05	JKL	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Topic 4

Savannah, GA 31404-6019
phone 912.354.7858 fax 912.352.0165

Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-124291-1

Login Number: 124291

List Source: TestAmerica Savannah

List Number: 1

Creator: White, Menica R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Sample "A72_031116_1500" rec'd out of hold for Mercury
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (Treatment/Stabilization)

TestAmerica Job ID: 680-124291-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-16

1

2

3

4

5

6

7

8

9

10

11

TestAmerica Savannah